

COMPUTER THERMOMETER, dual channel

Model : TM-915AC

| FEATURES | |
|---|---|
| * Microprocessor circuit assures high accuracy and provides special functions and features. | * RS 232 PC serial computer interface. |
| * Wide measuring range : -199°C to 1230°C (-325°F to 2246°F). | * Meet any standard type K(NiCr-NiAl) probe. |
| * Multi functions, dual channel temp. measurement, Temperature change rate, °C/°F, data hold. | * Fitted with standard type K input measuring socket. |
| * Build in temperature linearity compensation circuit, high accuracy. | * Super large LCD display, easy reading. |
| * Records Maximum, Minimum readings with recall. | * Operates from 006P DC 9V battery. |
| * Type K thermocouple sensor for fast response temperature measurement. | * Used the durable, long-lasting components, including a strong, light weight ABS-plastic housing case. |
| | * Complete set included Thermometer (TM-915A) + RS232 cable (UPCB-01) and Windows software (SW-U101-WIN). |

| GENERAL SPECIFICATIONS | | | |
|------------------------|---|-----------------------|--|
| Circuit | Custom one-chip of microprocessor LSI with thermocouple linearity correction circuit. | Operating Temperature | 0 °C to 50 °C (32 °F to 122 °F). |
| Display | Dual function meter's display, 13 mm (0.5") digit size. Super large LCD display with annunciator. | Operating Humidity | Less than 80% RH. |
| Measurement | Two channel temp. input (T1, T2), Temperature change rate (change degrees/ per minute) | Power Supply | 006P DC 9V, MN1604/PP3 battery or equivalent. <i>Heavy duty or Alkaline type.</i> |
| Measurement Range | -199°C to 1230°C / -325°F to 2246°F. | Power Current | Approx. DC 4.8 mA. |
| Polarity | Automatic switching, 'I' indicates negative polarity. | Weight | 240 g/0.53 LB (included batteries & probe) |
| Sensor Type | Thermocouple K(NiCr-NiAl). | Size | Main instrument: 180 x 72 x 32 mm (7.1 x 2.8 x 1.3 inch). |
| Input Impedance | 10 Mega ohm. | Complete set Included | Instruction Manual 1 PC |
| Sampling Time | Approx. 0.4 second. | | Thermometer (TM-915A)..... 1 PC |
| Data Output | RS 232 computer serial interface. | | RS232 cable for connecting between the meter & the computer (UPCB-01)..... 1 PC |
| Memory Recall | Records Maximum, Minimum readings with RECALL. | | Data acquisition software, software apply as the applications of data logging system & data recorder... windows version (SW-U101-WIN) 1 PC |
| Over input indication | Indication of "----". | Optional Accessories | Temperature probe, type K TP-01, TP-02A, TP-03, TP-04 Carrying case..... CA-06 |

| ELECTRICAL SPECIFICATIONS (23 ± 5 °C) | | | |
|--|-------------------|------------|------------------|
| Temperature Range | | Resolution | Accuracy |
| °C | -50 °C to 1230 °C | 1 °C | ± (0.75% + 1 °C) |
| °F | -58 °F to 2246 °F | 1 °F | ± (0.75% + 2 °F) |
| Remark : | | | |
| * The above accuracy specification applies only to the instrument itself and allowance must be made for limits of error permitted in thermocouple. | | | |
| * The meter measure range is -199°C to 1230°C (-325°F to 2246°F), but only offer the spec. accuracy for the measurement -50°C (-58°F) as above. | | | |

| OPTIONAL TEMPERATURE PROBE & OTHER ACCESSORIES | |
|--|--|
| Carrying Case | Model : CA-06, Hard carrying case. Size : 190 x 90 x 35 mm. |
| Thermocouple Probe (Type K) TP-01 | * Measure Range: -40 °C to 250 °C, -40 °F to 482 °F. * Max. short-term operating. Temperature : 300 °C (572 °F). * Ultra fast response naked-bead thermocouple, general purpose application. |
| Thermocouple Probe (Type K), TP-02A | * Measure Range: -50 °C to 900 °C, -50 °F to 1650 °F. * Dimension: 10 cm tube, 3.2 mm Dia. |
| Thermocouple Probe (Type K), TP-03 | * Measure Range: -50 °C to 1200 °C, -50 °F to 2200 °F. * Dimension: 10 cm tube, 8 mm Dia. |
| Surface Probe (Type K), TP-04 | * Measure Range: -50 °C to 400 °C, -50 °F to 752 °F. * Size : Temp. sensing head - 15 mm Dia. Probe length - 120 mm. |

* Appearance and specifications listed in this brochure are subject to change without notice.

